BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Repair and Painting Works at Sub Division office Dasarahalli in Ward No. 06 Byatarayanapura Sub Division

			Estimate Cost Rs.						500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for **leveling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR2015-16	Cum							
			1	20.00	15.00	0.30	90.00		
							90.00	156.88	**14119.00**
	Basic Rate	148.00							
	Area Weightage @ 20%	8.88							
	Total	**156.88**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification,	Cum							
	For Foundation		1	13.55	0.90	0.90	10.98		
							10.98	283.02	**3106.00**
	Basic Rate	267.00							
	Area Weightage @ 6%	16.02							
	Total	**283.02**							
3	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							
	For Foundation		1	13.55	0.90	0.15	1.83		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							1.83	4976.70	**9104.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
4	KSRB 5.2-1 Providing and constructing granite / trap / basalt Size stone masonry in foundation with mud mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12 Page No. 23/ Item No. 5.5/ PWD SR 2015-16	Cum							
	For Foundation		1	13.55	0.75	0.60	6.10		
							6.10	3910.34	**23843.00**
	Basic Rate	3689.00							
	Area Weightage @ 6%	221.34							
	Total	**3910.34**							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	**cum**							
	For Foundation		1	13.55	0.50	0.45	3.05		
							3.05	4905.36	**14955.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2015-16	Cum							
			Qty Vide Item No. 2				**10.98**	127.20	**1396.00**
	Basic Rate	120.00							
	Area Weightage @ 6%	7.20							
	Total	**127.20**							
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.3/ PWD SR 2015-16	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Foundation		1	13.55		0.45	6.10		
							6.10	97.52	**595.00**
	Basic Rate	92.00							
	Area Weightage @ 6%	5.52							
	Total	**97.52**							
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 Page No. 15/ Item No. 4.28/ PWD SR 2015-16	Sqm							
	For Roof		1	7.50	3.00		22.50		
	For lintle		2	13.55	0.20		5.42		
	Chajja		5	0.90	0.60		2.70		
							30.62	239.56	**7335.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
9	KSRB 4.2.8 Providing and laying in position reingforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46 with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6. Page No. 13/ Item No. 4.11/ PWD SR 2015-16								
	Plinth Beam		1	13.55	0.45	0.30	1.83		
	Chajja		5	1.20	0.60	0.15	0.54		
	Lintels		1	13.55	0.23	0.20	0.62		
	For Roof		1	7.50	3.00	0.15	3.38		
			1	11.00	7.50	0.075	6.19		
							12.56	6083.34	**76377.00**
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	**6083.34**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qntl							
	0.10 tone/ Cum		0.10	6.37			**0.64**	68513.10	**43609.00**
	Basic Rate	64635.00							
	Area Weightage @ 6%	3878.10							
		68513.10							
11	KSRB 6-1.1 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 35 with mud mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2 Page No. 27/ Item No. 6.1/ PWD SR 2015-16	Cum							
	Ground Floor		1	13.55	0.23	3.15	9.82		
							9.82		
	Deduction Lintle		1	13.55	0.23	0.20	0.62		
	W		5	0.90	0.23	1.50	1.55		
							2.18		
							7.64	4918.40	**37582.00**
	Basic Rate	4640.00							
	Area Weightage @ 6%	278.40							
	Total	**4918.40**							
12	KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.17/ PWD SR 2015-16	Sqm							
	Out Side Plastring		1	7.50		3.45	25.88		
			2	3.00		3.45	20.70		
							46.58		
	W		5	0.90		1.50	6.75		
							39.83	199.28	**7936.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 15.3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.20 / PWD SR 2015-16 (Inside wall)	Sqm							
	Inside Plastring		2	7.50		3.15	47.25		
			2	2.75		3.15	17.33		
							64.58		
	D		1	1.05		2.10	2.21		
	Balance Qty						**62.37**	210.94	**13156.00**
	Basic Rate	199.00							
	Area Weightage @ 6%	11.94							
	Total	**210.94**							
14	KSRB 15.3.13 : Providing 12mm thick **cement plaster** in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.21 PWD SR 20114-15	Sqm							
			1	7.05		2.75	19.39		
							19.39	179.14	**3473.00**
	Basic Rate	169.00							
	Area Weightage @ 6%	10.14							
	Total	**179.14**							
15	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 111/ Item No. 15.33/ PWD SR 2015-16	Sqm							
			Qty Vide Item No.13+14				**81.76**	25.44	**2080.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
16	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry and Concerte Surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2015-16	Sqm							
	Terace		1	11.50	7.50		**86.25**		
							86.25	146.28	**12617.00**
	Basic Rate	246.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	14.76							
	Total	**260.76**							
17	Item No. 14.44-1 , Providing vitrified tiles 60x60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specifications, Rs,1445.00 Page No. 114/ Item No. 14.45 / PWD SR 2011-12	**Sqm**							
	StairCase		1	7.05		2.75	19.39		
							19.39	1134.20	**21989.00**
	Basic Rate	1070.00							
	Area Weightage @ 6%	64.20							
	Total	**1134.20**							
18	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 114/ Item No. 14.41.1 / PWD SR 2011-12	**Sqm**							
	For Toilets		2	6.20		2.10	26.04		
							26.04	1037.74	**27023.00**
	Basic Rate	979.00							
	Area Weightage @ 6%	58.74							
	Total	**1037.74**							
19	KSRB 9.5-1: Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).Specification Page No. 51/ Item No. 9.14/ PWD SR 2015-16	Sqm							
	Main Door D		1	1.05		2.10	2.21		
							2.21	4795.44	**10574.00**
	Basic Rate	4524.00							
	Area Weightage @ 6%	271.44							
	Total	**4795.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 9-16.1: Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.KBS 9.34 Page No. 54/ Item No. 9.43/ PWD SR 2015-16								
	W		5	0.90		1.50	6.75		
							6.75	5051.96	**34101.00**
	Basic Rate	4766.00							
	Area Weightage @ 6%	285.96							
	Total	**5051.96**							
21	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer,page No.114 item No.15.53.2/PWD SR 2015-16	Sqm							
	Out Side		2	11.5		4.00	92.00		
			2	7.5		4.00	60.00		
	For Help Center Alround		1	40		4.00	160.00		
	Basic Rate	64.00					**312.00**	67.84	**21166.00**
	Area Weightage @ 6%	3.84							
	Total	**67.84**							
22	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer. Page No.113/ Item No. 15.51.2 / PWD SR 2015-16	Sqm							
			4	7.5		3.15	94.50		
			4	11.5		3.15	144.90		
	Celling		1	11.5		7.50	86.25		
	For Help Center Alround		1	40		3.15	126.00		
							451.65	83.74	**37821.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
23	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 104/ Item No. 15.74/ PWD SR -2015-16	Sqm							
	For Fencing		1	180.00		1.55	**279.00**		
							279.00	85.32	**23804.00**
	Basic Rate	79.00							
	Area Weightage @ 8%	6.32							
	Total	**85.32**							
24	For Eletrification charges	L/s							**35000.00**
27	For Sanitory fitings	L/s							**17000.00**
28	Miscesalaneous Charges	L/S							**239.00**
								Total	**500000.00**

Rupees Five Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

H.V. 16/12

Assistant Engineer

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Sub Divisio.
B.B.M.P. Bangalore

ADMINISTRATIVE APPROVAL
Accorded For Rs. 500000=00
Head of A/c.
Div. Ref. No. 167 Date 16.12.15
16/12
AE
H.V. EE(BTP)
16/12

TECHNICAL SANCTION
Accorded For Rs. 500000=00
Head of A/c.
Div. Ref. No. 176 Date 16.12.15
16/12
AE
EE(BTP)
16/12